

| Ref # | Hits | Search Query   | DBs                          | Default Operator | Plurals | Time Stamp       |
|-------|------|--|------------------------------|------------------|---------|------------------|
| L1    | 196  | 359/213,291.202.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR | OR               | ON      | 2005/04/19 13:44 |
| L2    | 132  | 1 and (@ad<="19980805")  | US-PGPUB;<br>USPAT;<br>USOCR | OR               | ON      | 2005/04/19 13:46 |
| L3    | 122  | 1 and (frequency )   | US-PGPUB;<br>USPAT;<br>USOCR | OR               | ON      | 2005/04/19 13:45 |
| L4    | 5    | 3 and membrane   | US-PGPUB;<br>USPAT;<br>USOCR | OR               | ON      | 2005/04/19 13:45 |
| L5    | 3    | 4 and (@ad<="19980805")  | US-PGPUB;<br>USPAT;<br>USOCR | OR               | ON      | 2005/04/19 13:45 |
| L6    | 85   | 3 and (@ad<="19980805")  | US-PGPUB;<br>USPAT;<br>USOCR | OR               | ON      | 2005/04/19 13:46 |
| S1    | 86   | 348/770.ccls.  | USPAT                        | OR               | ON      | 2005/04/18 10:06 |
| S2    | 51   | S1 and (@ad<="19980805")   | USPAT                        | OR               | ON      | 2005/04/18 10:06 |
| S3    | 51   | S1 and (@ad<="19980805")   | US-PGPUB;<br>USPAT           | OR               | ON      | 2005/04/18 17:10 |
| S4    | 87   | 348/770.ccls.  | US-PGPUB;<br>USPAT           | OR               | ON      | 2005/04/18 10:06 |
| S5    | 119  | 348/770.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR | OR               | ON      | 2005/04/18 10:12 |
| S6    | 51   | S5 and (@ad<="19980805")   | US-PGPUB;<br>USPAT           | OR               | ON      | 2005/04/19 09:24 |
| S7    | 19   | S6 and (frequency)   | US-PGPUB;<br>USPAT           | OR               | ON      | 2005/04/19 09:33 |
| S8    | 0    | S5 and ((multiple plurality several many) adj2 (frequencies rates)) and membrane | US-PGPUB;<br>USPAT;<br>USOCR | OR               | ON      | 2005/04/18 10:12 |
| S9    | 0    | S5 and ((multiple plurality several many) adj5 (frequencies rates)) and membrane | US-PGPUB;<br>USPAT;<br>USOCR | OR               | ON      | 2005/04/18 10:12 |
| S10   | 0    | S5 and ((multiple plurality several many) adj5 (frequency rate)) and membrane    | US-PGPUB;<br>USPAT;<br>USOCR | OR               | ON      | 2005/04/18 17:10 |
| S11   | 198  | 348/771.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR | OR               | ON      | 2005/04/18 10:16 |
| S12   | 1    | S11 and ((multiple plurality several many) adj5 (frequency rate)) and membrane   | US-PGPUB;<br>USPAT;<br>USOCR | OR               | ON      | 2005/04/18 10:13 |

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| S13 | 293 | 348/755,756,764,768.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2005/04/18 10:13 |
| S14 | 0   | S13 and ((multiple plurality several many) adj5 (frequency rate)) and membrane | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2005/04/18 10:35 |
| S15 | 11  | S11 and ((multiple plurality several many) adj5 (frequency rate))              | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2005/04/18 10:16 |
| S16 | 6   | S15 and (@ad<="19980805")  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2005/04/18 10:20 |
| S17 | 299 | 348/770,771.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2005/04/18 10:20 |
| S18 | 15  | S17 and ((multiple plurality several many) adj5 (frequency rate))              | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2005/04/18 10:20 |
| S19 | 502 | 345/84,85.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2005/04/18 10:20 |
| S20 | 24  | S19 and ((multiple plurality several many) adj5 (frequency rate))              | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2005/04/18 10:20 |
| S21 | 16  | S20 and (@ad<="19980805")  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2005/04/18 10:24 |
| S22 | 26  | S17 and membrane   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2005/04/18 10:24 |
| S23 | 20  | S22 and (@ad<="19980805")  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2005/04/18 11:14 |
| S24 | 5   | S22 and frequency  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2005/04/18 10:34 |
| S25 | 4   | S24 and (@ad<="19980805")  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2005/04/18 10:35 |
| S26 | 3   | S13 and frequency and membrane   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2005/04/18 10:35 |
| S27 | 0   | S26 and (@ad<="19980805")  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2005/04/18 10:35 |
| S28 | 14  | S19 and frequency and membrane   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2005/04/18 10:35 |

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| S29 | 3   | S28 and (@ad<="19980805")   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2005/04/18 10:36 |
| S30 | 0   | 345/84.85.ccls. and<br>(@ad<="19980805")  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2005/04/18 11:15 |
| S31 | 235 | 345/84,85.ccls. and<br>(@ad<="19980805")  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2005/04/18 11:15 |
| S32 | 1   | "6140979".pn.   | USPAT                        | OR | ON | 2005/04/18 15:48 |
| S33 | 25  | ("4793687"   "5121138"   "5127061"  <br>"5162828"   "5164848"   "5225923"  <br>"5243450"   "5355181"   "5420414"  <br>"5467104"   "5526183"   "5543968"  <br>"5557444"   "5596339"   "5629790"  <br>"5648618"   "5659327"   "5659430"  <br>"5673139"   "5687034"   "5694237"  <br>"5701132"   "5726671"   "5742419"  <br>"5751465").PN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2005/04/18 15:48 |
| S34 | 34  | ("5225923").URPN.   | USPAT                        | OR | ON | 2005/04/18 15:50 |
| S35 | 14  | ("3619028"   "4314154"   "4370019"  <br>"4631581"   "4788423"   "4859846"  <br>"4874215"   "4919500"   "4959568"  <br>"4975626"   "5032720"   "5048904"  <br>"5130838"   "5144477").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2005/04/18 15:56 |
| S36 | 9   | S35 and (frequency)   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2005/04/18 16:22 |
| S37 | 21  | ("5048904").URPN.   | USPAT                        | OR | ON | 2005/04/18 16:19 |
| S38 | 10  | ("3719780"   "3838912"   "4003626"  <br>"4178064"   "4248495"   "4378562"  <br>"4482902"   "4541061"   "4685775"  <br>"4816920").PN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2005/04/18 16:19 |
| S39 | 6   | S38 and (frequency)   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2005/04/18 16:22 |
| S40 | 7   | ("3413411"   "3566181"   "3669522"  <br>"3701999"   "3809948").PN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2005/04/18 16:23 |
| S41 | 10  | ("3719780"   "3838912"   "4003626"  <br>"4178064"   "4248495"   "4378562"  <br>"4482902"   "4541061"   "4685775"  <br>"4816920").PN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2005/04/18 17:09 |
| S42 | 86  | 348/770.ccls.   | USPAT                        | OR | ON | 2005/04/18 17:10 |
| S43 | 3   | S42 and ((multiple plurality several<br>many) adj5 (frequency rate))  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2005/04/18 17:10 |

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| S44 | 15 | S34 and (@ad<="19980805")  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2005/04/18 17:11 |
| S45 | 35 | S42 and (frequency rate)   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2005/04/18 17:10 |
| S46 | 34 | S45 and (@ad<="19980805")  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2005/04/18 17:11 |
| S47 | 21 | ("5048904").URPN.  | USPAT                        | OR | ON  | 2005/04/18 17:14 |
| S48 | 29 | ("2488734"   "2570125"   "2640866"  <br>"2928057"   "3102233"   "3256769"  <br>"3532408"   "3619028"   "3678308"  <br>"3742234"   "3811748"   "3820040"  <br>"3921045"   "4032888"   "4037231"  <br>"4063287"   "4073567"   "4302720"  <br>"4358789"   "4364000"   "4370019"  <br>"4502752").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2005/04/18 17:15 |
| S49 | 13 | ("3619028").URPN.  | USPAT                        | OR | ON  | 2005/04/18 17:20 |
| S50 | 3  | ((("6,229,649") or ("6,151,167") or ("5,<br>914,801"))).PN.  | USPAT                        | OR | OFF | 2005/04/18 17:20 |
| S51 | 3  | ("6151167").URPN.  | USPAT                        | OR | ON  | 2005/04/18 17:21 |
| S52 | 13 | ("5355181"   "5467104"   "5526183"  <br>"5539422"   "5557444"   "5596339"  <br>"5659327"   "5659430"   "5694237"  <br>"5701132"   "5742419"   "5751465"  <br>"5923460").PN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2005/04/18 17:23 |
| S53 | 92 | "5.185,676" "4,272,151" "5,444,572"<br>"4,093,351" "3,923,400" "5,201,980"   | USPAT                        | OR | ON  | 2005/04/18 17:24 |
| S54 | 5  | ((("5.185,676") or ("4,272,151") or ("5,<br>444,572") or ("4,093,351") or ("3,923,<br>400") or ("5,201,980"))).PN.   | USPAT                        | OR | OFF | 2005/04/18 17:25 |
| S55 | 5  | ((("5,136,413") or ("6,147,789") or ("5,<br>828,455") or ("6,049,407") or ("6,245,<br>590"))).PN.  | USPAT                        | OR | OFF | 2005/04/18 17:26 |
| S56 | 18 | ((("6,140,979") or ("6,044,705") or ("5,<br>969,465") or ("5,767,666") or ("5,751,<br>465") or ("5,742,419") or ("5,726,<br>671") or ("5,701,132") or ("5,694,<br>237") or ("5,687,034") or ("5,673,<br>139") or ("5,659,430") or ("5,659,<br>327") or ("5,648,618") or ("5,645,<br>735") or ("5,640,133") or ("5,629,<br>794") or ("5679790"))).PN. | USPAT                        | OR | OFF | 2005/04/18 17:29 |
| S57 | 1  | ("5,225,923").PN.  | USPAT                        | OR | OFF | 2005/04/18 17:30 |
| S58 | 1  | ("5,185,676").PN.  | USPAT                        | OR | OFF | 2005/04/18 17:30 |
| S59 | 7  | ("3614212"   "4283145"   "4318582"  <br>"4321700"   "4829339"   "4841137"  <br>"4878202").PN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2005/04/18 17:31 |

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|-----|--------|---|------------------------------|----|----|------------------|
| S60 | 10     | ("2265037"   "2930898"   "2984747"   "3437393"   "3717772"   "3770969").PN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2005/04/18 17:32 |
| S61 | 16     | ("4283145").URPN.   | USPAT                        | OR | ON | 2005/04/18 17:33 |
| S62 | 502    | 345/84,85.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2005/04/19 09:30 |
| S63 | 175    | S62 and (frequency)   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2005/04/19 09:24 |
| S64 | 87     | S63 and (@ad<="19980805")   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2005/04/19 09:33 |
| S65 | 553    | 348/770,771,755,756,764,768.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2005/04/19 09:32 |
| S66 | 961904 | "7" and (frequency)   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2005/04/19 10:01 |
| S67 | 177    | S65 and (frequency)   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2005/04/19 10:50 |
| S68 | 95     | S67 and (@ad<="19980805")   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2005/04/19 10:43 |
| S69 | 232    | furness.in.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2005/04/19 09:40 |
| S70 | 0      | funess.in.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2005/04/19 09:41 |
| S71 | 0      | funness.in.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2005/04/19 09:41 |
| S72 | 34504  | clarence.in.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2005/04/19 09:41 |
| S73 | 0      | clarence near tegreen   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2005/04/19 09:42 |
| S74 | 55     | clarence near tegreene  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2005/04/19 09:42 |
| S75 | 39     | S74 and head  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2005/04/19 10:01 |

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|-----|------|---|------------------------------|----|----|------------------|
| S76 | 23   | ("4421381"   "5025346"   "5097354"   "5165279"   "5247384"   "5355181"   "5444565"   "5467104"   "5488862"   "5557444"   "5629790"   "5629794"   "5640133"   "5645735"   "5648618"   "5673139"   "5767666"   "5969465"   "6044705"   "6245590"   "6256131"   "6285489"   "6331909").PN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2005/04/19 09:49 |
| S77 | 69   | ("3532408"   "4732440"   "5428473").PN. OR ("5557444").URPN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2005/04/19 09:54 |
| S78 | 2    | S75 and (@ad<="19980805")   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2005/04/19 10:01 |
| S79 | 1355 | 345/7-9.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2005/04/19 10:00 |
| S80 | 418  | S79 and (frequency)   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2005/04/19 10:11 |
| S81 | 331  | S80 and head  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2005/04/19 10:01 |
| S82 | 187  | S81 and (@ad<="19980805")   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2005/04/19 10:17 |
| S83 | 46   | S74 and (frequency)   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2005/04/19 10:20 |
| S84 | 0    | S83 and membrane  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2005/04/19 10:11 |
| S85 | 4    | S83 and (@ad<="19980805")   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2005/04/19 10:51 |
| S86 | 44   | S83 and mov\$3  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2005/04/19 10:20 |
| S87 | 34   | S83 and ((mov\$3 rotat\$4) adj3 mirror)   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2005/04/19 10:20 |
| S88 | 26   | S65 and (scanning adj3 (rate frequency))  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2005/04/19 10:53 |
| S89 | 12   | S88 and (@ad<="19980805")   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2005/04/19 10:53 |
| S90 | 7    | S62 and (scanning adj3 (rate frequency))  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2005/04/19 10:54 |

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| S91 | 5  | S90 and (@ad<="19980805")                      | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2005/04/19 10:53 |
| S92 | 43 | S74 and (scanning adj3 (rate frequency))       | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2005/04/19 10:55 |
| S93 | 2  | "5048904" and (scanning adj3 (rate frequency)) | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2005/04/19 10:55 |
| S94 | 5  | "5185676" and (scanning adj3 (rate frequency)) | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2005/04/19 13:30 |